15. The computer product as recited in claim **14** further comprises means for converting the digital pixel values contained in a row of pixels of the intermediate array of digital pixels to digital pixel values that are stored in a row of pixels of the second array of digital pixels.

16. The computer product as recited in claim **13** wherein the second sampling frequency is lower than the first sampling frequency by an arbitrary ratio.

17. The computer product as recited in claim **13** further comprising means for converting the first array of digital pixels to digital pixel values which linearly representative of the brightness of light of the image it is intended to be finally displayed.

18. The computer product as recited in claim **13** further comprising means for adding a portion of a first digital pixel value of the first array of digital pixels and subtracting a portion of a second digital pixel value of the second array of digital pixels for deriving a digital pixel value in the second array of digital pixels.

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